

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : W. Daniel Hillis; Roderick A. Hyde; Nathan P. Myhrvold;  
Lowell L. Wood, Jr.  
Application No. : To Be Assigned  
Filed : January 14, 2004  
For : PHOTO-DETECTOR FILTER HAVING A CASCADED  
LOW NOISE AMPLIFIER

Examiner : To Be Assigned  
Art Unit : To Be Assigned  
Docket No. : 0803-001-025-000000  
Date : January 14, 2004

Director for Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop Patent Application  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT

Sir:

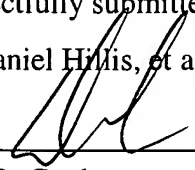
Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449 (substitute form). Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Copies of the foreign patent documents and/or non-patent literature, if any, are attached.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

W. Daniel Hillis, et al.



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Dale R. Cook

Registration No. 42,434

DRC:pl

Enclosures:

- Postcard
- Certificate of Mailing by Express Mail
- New Utility Patent Application Transmittal (+ copy)
- Specification (32 pages)
- 9 Sheets of Drawings (Figs. 1-9)
- Form PTO-1449 (substitute)
- Cited References Attached (5)

The Invention Science Fund I, LLC  
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INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	To Be Assigned
	Filing Date	January 14, 2004
	First Named Inventor	W. Daniel Hillis
	Group Art Unit	
	Examiner Name	
Page 1 of 1	Attorney Docket Number	0803-001-025-000000

U.S. PATENT DOCUMENTS			
Examiner Initials	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	5,286,990	Jaroslav Hyncek	02/15/1994
	5,965,875	Richard B. Merrill	10/12/1999
	6,278,142	Jaroslav Hyncek	08/21/2001
	6,632,701	Richard B. Merrill	10/14/2003

FOREIGN PATENT DOCUMENTS				
Examiner Initials	Document Number	Country	Date of Publication (MM-DD-YYY)	English Translation Provided?

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Andor Technology Website link: Andor-tech.com/low light imaging\ixon\EMCCD– “The iXon CCDs featuring EM technology are the most sensitive imaging detectors ever!”
	BLACK, BRIAN, Analog-to-Digital Converter Architectures and Choices for System Design, Analog Dialogue 33-8 (1999), pp. 1-4,
	DENVIR, DONAL J., et al., Electron Multiplying CCDs, Andor Technology Ltd. UK at www.andor-tech.com
	FOVEON Brochure, copyright 2002 Foveon, Inc. – website: www.foveon.com
	LYON, RICHARD F., Foveon X3 Slides from Chief Scientist Richard F. Lyon’s talks regarding Color Photography with Foveon X3 Sensor Technology

Examiner Signature		Date Considered	
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